Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 21 Sep 2023 until 23:59 on Friday 22 Sep 2023

Forecast Issued on Thursday 21 Sep 2023 at 04:47

Confidence: High for a changeable autumnal period with a mix of sunshine and showers, and wet weather from Sunday. High for windy conditions at times. Lower confidence in extent of shower distribution throughout and timing of frontal passage Sunday onwards.

Headline for Thursday 21 Sep 2023: Sunshine and occasionally heavy showers with a risk of thunder.

Mountain weather hazards on Thursday 21 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Light rain showers	Heavy rain showers	Sunny intervals	Sunny intervals	Light rain showers
Precipitation probability					
20%	30%	50%	20%	20%	30%

Forecast for Thursday 21 Sep 2023

Weather: A mostly dry start with clear spells. Showers soon pushing inland, mainly across northern Dales. Showers then developing more widely and further inland from mid-morning. Showers could turn occasionally heavy and blustery, with a slight risk of thunder. Trending drier and clearer late afternoon and into the evening. Further showers may arrive later.

Chance of cloud-free hill tops above 600m: 80%, briefly lowering from the west to 60% late morning.

Low Cloud and visibility: Visibility generally very good or excellent, but dropping to moderate in showers, possibly poor in heavier showers. Cloud bases generally forming or remaining above the summits, but as showers develop more widely late-morning, cloud bases may briefly lower to around 500m in showers shrouding higher routes. Breaks developing more widely again by late afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 21 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/23 SW	16/20 SW	14/19 SW	13/18 SW	9/15 SW	9/15 SW	10/15 SW
300	6/18 SW	9/18 SW	8/16 SW	8/15 SW	5/14 W	3/11 SW	3/10 SW
Valley	4/15 SW	7/15 SW	9/17 SW	7/14 SW	3/11 SW	2/9 SW	2/9 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/3	8/4	9/6	9/7	8/6	7/4	7/4
300	9/7	10/9	12/10	12/11	10/8	7/6	7/6
Valley	10/9	12/10	14/12	14/12	11/10	9/8	9/8
Freezing Level*	1600m	1700m	1600m	1600m	1500m	1500m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Given recent rainfall, ground may be sodden or slippery underfoot so care required. Conditions changing quickly in showers, although eastern Dales may see very little rain. Cooler than of late, especially at height where risk of wind chill.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 21 Sep 2023	18.4mm	46.6mm	57.2mm

Forecast for Friday 22 Sep 2023

Weather: A cloudy start with showers, potentially heavy and merging to give a longer period of rain. This band clears to leave a changeable day with variable cloud and scattered showers. Showers soon developing, becoming more widespread from mid-morning, with some of these perhaps turning heavy and blustery. Showers becoming increasingly isolated by late afternoon leaving a fine, albeit fresh end to the day. Skies largely clear through the evening. Breezy.

Maximum wind: West to northwest 15-20 mph with gusts of 25-30 mph.

Chance of cloud-free hill tops above 600m: 40%, increasing to 70% around dawn.

Low Cloud and visibility: Very good visibility generally, but falling to moderate or poor in showers. Bases likely lower at first towards the west of the park in showery rain, around 500m. Cloud then lifting clear or tops, but scraps may lower to cover higher slopes in and around heavier showers.

Temperature: **Valleys:** Plus 9 Celsius becoming Plus 14 Celsius.
At 600m: Plus 5 Celsius becoming Plus 9 Celsius.
Freezing level: Above the summits.

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